MIRJANIC, Nikola, doc. dr., MLADENOVIC Dragomir, asist. dr.; LIKAR Mira, dr.

Two cases of atonic hemorrhage. Srp arhiv lekar 82 no.4:533-538 Ap '54.
(RZAL 3:7)

1. Ginekolosko-akuserska klinika Medicinskog fakulteta u Beogradu. Upravnik: prof. dr. Sinisa Tasovac. (Rad je Uredništvo primilo 16 IX 1953 god.)

(PUERPERIUM, hemorrh.) (HEMORRHAGE *puerperal)

MIRJANIC, Nikola; MLADENOVIC, Dragomir; GRCIC, Radivoj; KOSTIC, Pavle

Largactil in postoperative care. Srpski arh. celok. lek. 84 no.4: 501-510 Apr 56.

1. Ginekoloske-akuserska klinika Med. Fak. u Beogradu. Upravnik: Sinisa Tasovac.

(CHLORPROMAZINE, ther. use
postop. care in surg. for gynecol. dis.)
(POSTOPERATIVE CARE, in various dis.
chlorpromazine in surg. for gynecol. dis. (Ser))
(GYNECOLOGICAL DISEASES, surg.
postop. care with chlorpromazine (Ser))

STAMBOLOVIC, Blagoje; MIRJANIC, Nikola; JERIC, Sonja

Epidemic parotitis and fertility in women. Srpski arh. celok. lek. 88 no.6:647-653 Je '60.

1. Klinika za infektivne bolesti Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: akad. prof. dr Kosta Todorovic. Ginekolosko-akuserska klinika Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Sinisa Tasovac. Poliklinika VI Doma narodnog zdravlja u Beogradu. Sef: dr Katarine Guelmino.

(MUMPS compl) (STERILITY FEMALE etiol)

MIRKOVIC, Aleksandar; MIRJANIC, Nikola; NIKAC, Uros

Contribution to the problem of hypofibrinogenemia in labor. Srpski arh. celok. lek. 90 no.10:955-988 O '62.

1. Ginekolosko-akuserska klinika Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr. Bosiljka Milosevic.
(BLOOD COAGULATION DISORDERS)
(HEMORRHAGE, POSTPARTUM)

MIRKAMALOV, Kh.Kh.

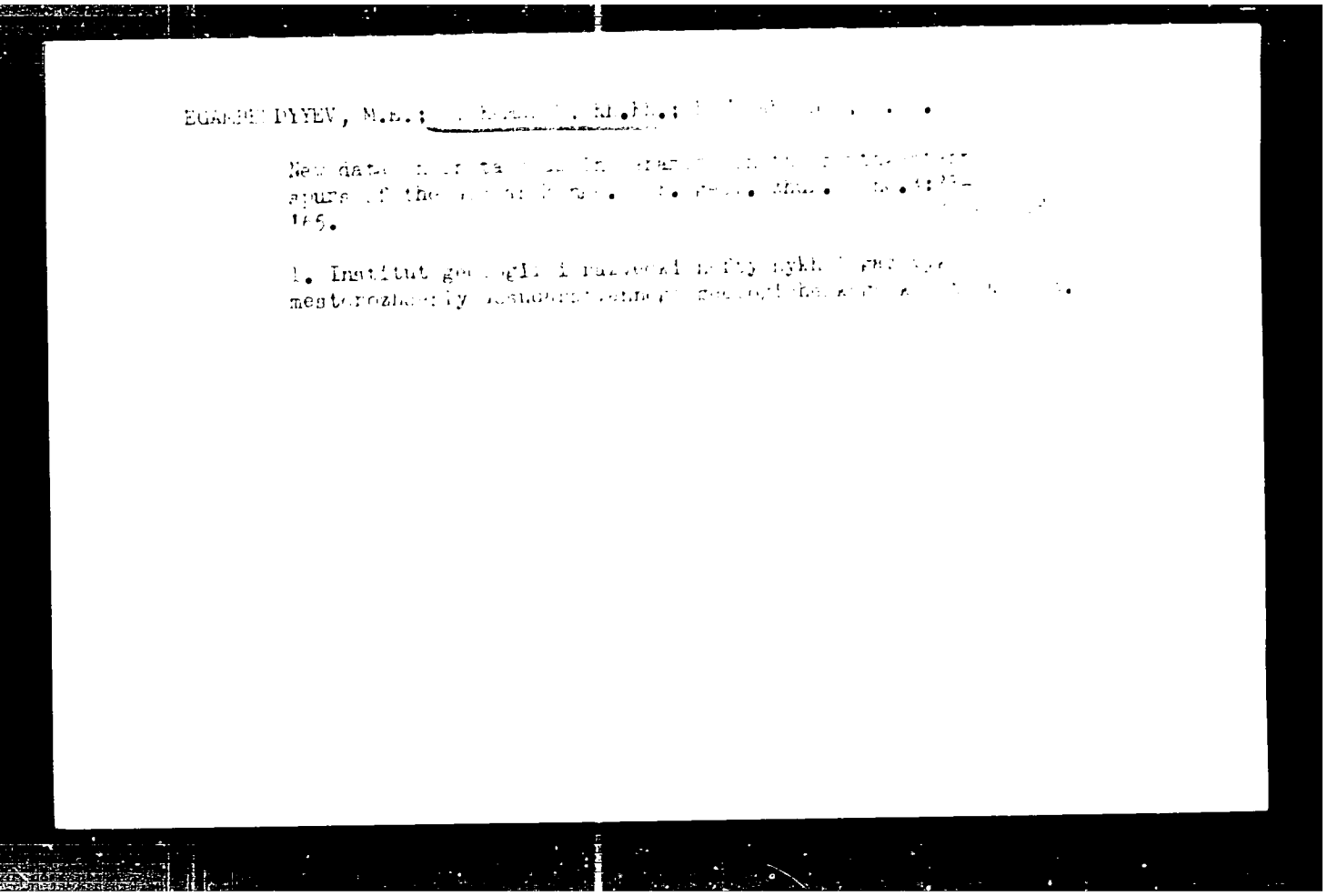
New species of Exogyra from Upper Albian sediments in the southwestern spurs of the Gissar Range. Izv.vys.ucheb.zav.; geol. i razv. 6 no.10:132-137 O '63. (MIRA 18:4)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze.

MIRKAMALOV, Kh.Kh.

Systematic position of the genus Amphidonta. Paleont. zhur. no.2:149-152 '64. (MIRA 17:7)

1. Institut geologii i razrabotki neftyanykh i gazovykh mestorozhdeniy AN Uzbekskoy SSR.



MIRKAMALOV, Kh. Kh.

Oysters of Albian sediments in the southwestern spurs of the Gissar Range. Biul. MOIP Otd. geol. 40 no. 6:97-107 N-D '65 (MIRA 19:1)

MIRKAMALOVA, S.Kh.

Two new lamellibranchia species from the lower Paleogene of the Alai Valley. Trudy SAGU no.21:35-37 '50. (MLRA 9:5)
(Alai Valley--Lamellibranchiata, Fossil)

MIRKAMALOVA, S.Kh.

Paleogene oysters from southwestern Uzbekistan. Trudy SAGU no.30: 67-100 '52. (MLRA 9:5)

(Uzbekistan--Oysters, Fossil)

MIRKAMALOVA, S. KH.

Two Forms From the Upper Fergana Subdivision of the Marine Paleogene of Southwest Uzbekistan

The authori describes two ostrocods, from the clays developed near the village Shur-Assan, of the genus Cutherea, which were found together with foraminifera, characteristic for the Isfarinsk and Khanabadsk deposits of the Paleogene of Central Asia., (RZhGeol, No. 5, 1955)
Tr. Sredneaz. un-ta. Geol. n., No. 52, bk. 5, 1954, 57-59

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

MIRKAMALOVA, S.Kh.

Description of some oyster forms from Paleogene deposits of Kashgariya. Izv. AN Azerb. SSR no.12:109-115 D '56. (MLRA 10:4)
(Kashgariya--Oyster, Fossil)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, 15-57-5-5808
p 21 (USSR)

AUTHOR: Mirkamalova, S. Kh.

TITLE: New Species of Cardium From the Sumsarskiy Series in the Auminza-Tau Region (Novyye vidy Cardium iz otlozheniy sumsarskogo yarusa rayona Auminza-tau)

PERIODICAL: Tr. Sredneaz. in-ta, 1956, Nr 82, pp 123-126.

ABSTRACT: The paper describes preserved remains of Cardium (molds and casts) from the Upper Paleogene of Kyzyl-Kum. These remains are considered to be representatives of four new species: Cardium kyzylkumensis, C. sumsarica, C. tugrovae, and C. kuschnari. Four figures are included.

Editor's note: The editors of the specific names do not agree with the generic names.

A. G. E.

Card 1/1

MIRKAMALOVA, Sof'ya Khamidovna; OVECHKIN, N.K., red.; ROSSOVA, S.M., red. izd-va; KRYNOCHKINA, K.V., tekhn. red.

[Stratigraphy and molluska of the Paleocene in the Tashkent region and Kyzyl-Kum] Stratigrafiia i fauna molliuskov paleogenovykh otlozhenii Pritashkentskogo raiona i Kyzyl-Kumov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1958. 127 p. (Molluska, Fossil) (MIRA 11:7)
(Soviet Central Asia--Geology, Stratigraphic)

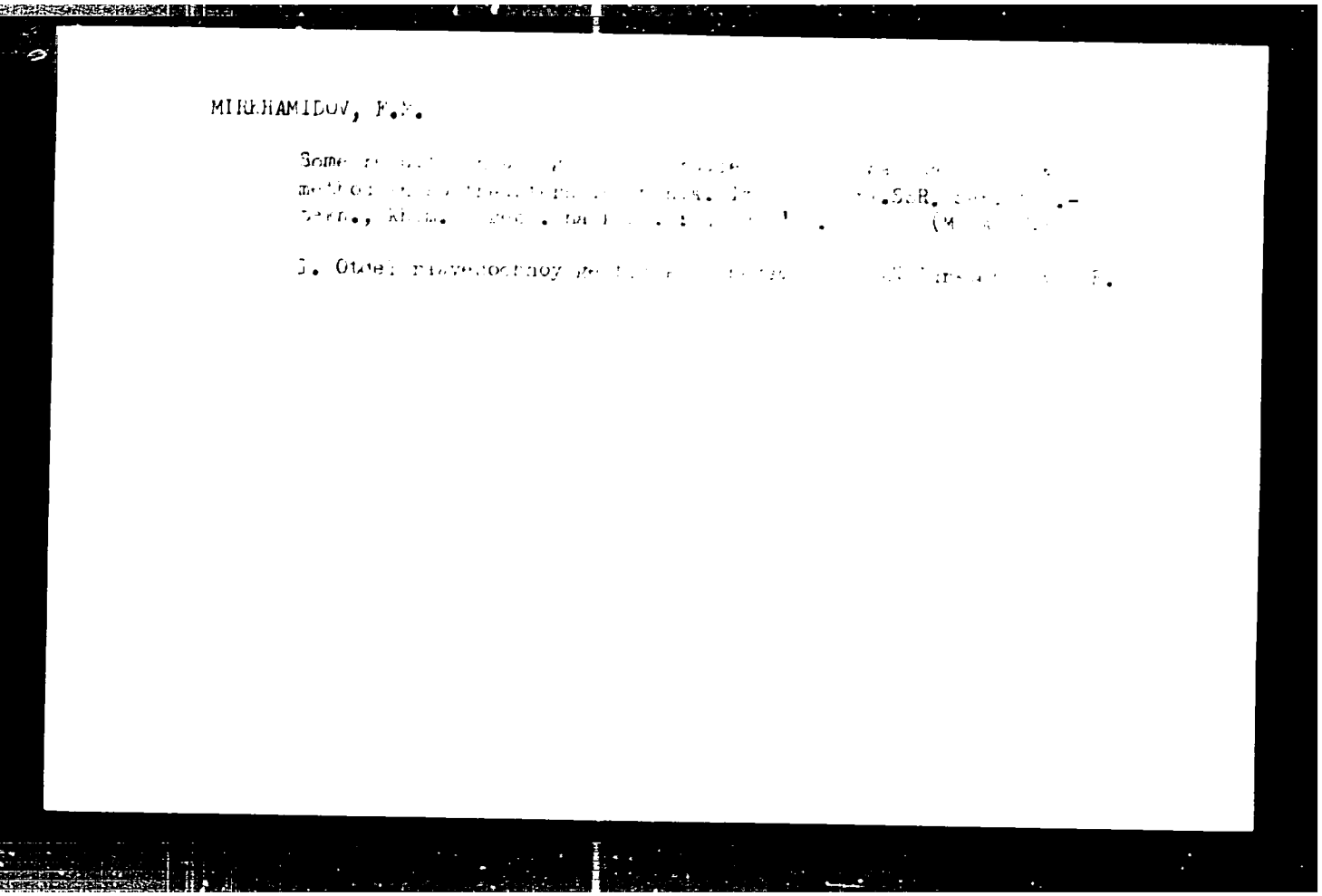
AKHMEDZHANOV, M.A.; MUSIN, R.A.; MIRKAMILOV, A.; YARMUKHAMEDOV, A.R.

Devonian red formation in the Chatkal-Kurama Mountains and its copper potential. Zap. Uz. otd. Vses. min. ob-va no.16:114-121 '64. (MIRA 18:6)

AKHMEDZHANOV, M.A.; MIRKAMILOV, A.M.; ISAKDZHANOV, B.I.

Remarks on the Paleozoic stratigraphic scale of the Chatkal subzone. Uzb.geol.zhur. 6 no.3:77-80 '62. (MIRA 15:6)

1. Institut geologii AN UzSSR.
(Soviet Central Asia--Geology, Stratigraphic)



MIRKHAMIDOV, F.Y.

Some [illegible] U.S.S.R. [illegible]

3. Other [illegible]

38640

S/081/62/000/009/063/075
B101/B144

11.9200

AUTHORS: ..., Mir-Anastasov, F. A.

TITLE: ... s antifriction material

SOURCE: ... Zhurnal. Khimiya, no. 9, 1962, 589, abstract ... (Novosti neft. i gaz. tekhn. Neft. oborud. i sredstva avtomatiz., no. ..., 1961, 35 - 38)

TEXT: The results of studies on the antifriction properties of filled ftoroplast-4 are given. A bearing of ftoroplast, reinforced with bronze ... and lubricated with water, was found capable of long operation under ... kg/cm² specific load at a mean friction velocity of 35.5 m/sec. The material ... is recommended for thrust bearings of turbines, the bearings of internal combustion motors and the bearings of drilling machines protected against clay mortar. [Abstracter's note: Complete translation.

Card 1/1

D'YACHKOV, A.K., doktor tekhn.nauk,prof.; MIR-KASIMOV, F.M., inzh.

Investigating the performance of a water-lubricated thrust bearing.
Vest.mashinostr. 44 no.7 34-37 Jl '64. MIRA 17:8

MIR-KASIMOV, M.M.

Treatment of Dupuytren's fracture. Azerb. med. zhur. 41 no.2:
69-73 F '64 (MIRA 18:1)

L 8806-66 EWT(d)/EWT(l) IJP(c)

ACC NR: AP5024712 SOURCE CODE: UR/0056/65/049/003/0905/0913

44,55

AUTHOR: Mir-Kasimov, R. M. 44,55

ORG: Joint Institute of Nuclear Research (Ob"yedinennyy institut yadernykh issledovaniy)

TITLE: "Focusing" singularity in p-space of constant curvature

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 3, 1965, 905-913

21,44,55

TOPIC TAGS: field theory, S matrix, mathematic space, space curvature, 16,44,55 scattering matrix, group theory

ABSTRACT: It is shown that the focusing singularity which Yu. A. Gol'fand (ZhETF v. 44, 1248, 1963) has shown to arise in field theory in a p-space of constant curvature can be eliminated if the S matrix is constructed in accordance with the group of motions of this space. This is demonstrated by proving that it is more correct not to specify the generalization of the δ-function to the case of p-space of constant curvature, with the δ-functions expressing the law of conservation of energy and momentum in the usual theory, not in terms of the properties which manifest themselves in the integration of its product with other functions, but to start with expansion in terms of certain complete systems which are closely related to the geometry of the constant-curvature p-space. The use of this procedure causes the focusing singularity to make no contribution to the matrix elements of the displace-

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L 8806-66

ACC NR: AP5024712

6

ment operators. From the geometrical meaning of the focusing singularity it is shown that there is no danger in generalizing the field theory under consideration, provided the scattering matrix formalism is constructed with account taken of the group properties of the operation of displacement in a p-space of constant curvature. Author is grateful to Yu. A. Gol'fand and V. G. [illegible] for discussion of the work. Orig. art. has: 1 figure and 42 formulas.

SUB CODE: 20/ SUBM DATE: 16Apr65/ ORIG REF: 006/ OTH REF: 000

jw

Card 2/2

L 12802-66 EWT(1)/EWT(m)/T/EWA(m)-2

ACC NR: AP5026609 SOURCE CODE: UR/0056/65/049/004/1161/1168

AUTHOR: Mir-Kasimov, R. M. 36 35 B

ORG: Joint Institute of Nuclear Research (Ob"yedinennyy institut yadernykh issledovaniy)

TITLE: On mass renormalization in generalized field theory 21,44,55

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 4, 1965, 1161-1168

TOPIC TAGS: quantum field theory, meson, mass energy relation

ABSTRACT: The author considers the mass renormalization of the meson in pseudoscalar meson theory, [illegible] and shows that the mass of the meson is smeared out by the so-called nondiagonality effect. Two nondiagonality effects are considered, one connected with the noncommutativity of the displacements in p-space and for which the matrix element is written out only for the sake of comparison with the usual theory, and the one connected with the construction of the coordinates of the constant-curvature space by projection from five-dimensional space. The derivations are presented using as an example the second-order vacuum polarization operator for a pseudoscalar theory generalized to a momentum space of constant curvature. Knowing the expression for this operator

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L 12802-66

ACC NR: AP5026609

up to second order, it is possible to compute the Green's operator of the meson by a standard summation of a geometric series. Author thanks Yu. A. Gol'fand for constant interest and remarks. Orig. art. has: 3 figures and 50 formulas.

SUB CODE: 20/ SUBM DATE: 16Apr65/ NR REF SOV: 004

jw

Card 2/2

MIRENOV, A. O. Cand. Physicomath Sci.

Dissertation: " Large Deflections of Thin Strip and Cylindrical Shell."

8/6/50
Moscow Order of Lenin State U. imeni M. V. Lomonosov.

SO Vecheryaya Moskva
Sum 71

SOV/124-58-8-8379

Translation from Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 5 (USSR)

AUTHOR Mirkeyev, A.O.

TITLE The Motion of an Ideally Flexible Tensible Thread Over a Rough Surface (Dvizheniye ideal'no gibkoy rastyazhimoy niti po sherokhovatoy poverkhnosti)

PERIODICAL: Uch. zap. Gor'kovsk. un-ta, 1955, Nr 28, pp 70-78

ABSTRACT: A determination is made of the tensile stresses T at points of an ideally flexible, tensible, homogeneous, weightless thread moving over a rough surface in the direction of its length. The stress/strain ratio is represented by a broken line consisting of two straight-line segments. To calculate the tensile stresses, one must know the velocities and tangential accelerations of all the points of the thread. By way of example, the tensile stresses are determined in a nontensible thread in uniform motion along the geodesic lines of a torus and of a cylinder. In the particular case of a thread at rest the well-known Euler formula is obtained for the tensile stress in a thread extended over a rough surface along a line corresponding to an arc of a circle. In addition, a determination is made

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The Motion of an Ideally Flexible Tensible Thread Over a Rough Surface

of the tensile impact stresses that arise in a nontensible thread sliding along the geodesic line of a rough surface, 1) when an impact force is applied at the point of initial contact between thread and surface, and 2) when the thread is subjected to clamping at some point along the surface. There are typographical errors in the article.

P.A. Zhuravlev

Card 2/2

ASHBEL', S.I., prof.; SOKOLOVA, V.G.; Prinimala uchastiye: MIRKEYEVA, V.K.

Nystatin treatment of candidosis. Kaz. med. zhur. no.4:63-67 Jl-Ag '61. (MIRA 15:2)

1. Klinicheskiy otdel (zav. - prof. S.I.Ashbel') Gor'kovskogo nauchno-issledovatel'skogo instituta gigiyeny truda i profzabolevaniy.
(FUNGICIDIN) (ANAPHYLAXIS) (MONILIASIS)

MIRKHABIBOV, A.

Climate of the Golodnaya Steppe. Uch.zap. Tashk.gos.ped.inst. no.18:109-136 '59. (MIRA 13:9)
(Golodnaya Steppe--Climate)

MIRKHASILOV, S.

"Kul'turnaya zhizn' sovremennogo [illegible]."

report submitted for 7th Int. Congr, Anthropological & Ethn. Sci., Moscow, 3-10 Aug 64.

MIRKHAYDAROV, A.Kh., starshiy inzh.; MATYUSHIN, I.N., inzh.

Circuit for the prevention of the discharge operation of dischargers in block system lines. Avtom., telem.i sviaz' 6 no.2:43 F '62. (MIRA 15:3)

1. Laboratoriya signalizatsii i svyazi Kuybyshevskoy dorogi.
(Railroads--Signaling)

MIRKHAYDAROV, A.Kh.

Problems of planning and cost accounting in a signaling and communication district. Avtom., telem. i sviaz' 8 no.4: 38-39 Ap '64. (MIRA 18:2)

1. Zamestitel' nachal'nika Orenburgskoy distantsii signalizatsii i svyazi Yuzhno-Ural'skoy dorogi.

YEZOVA, L.K.; IVANOVA, N.M.; VOLKOVA, A.S.; MIRKHAYDAROV, E.V.

Experience in preparing Arlan oil. Neftepер. i neftekhim. no.11:
7-8 '64 (MIRA 18:2)

1. Ishimbayskiy neftepererabatyvayushchiy zavod.

MIRKHAYDAROVA, Ch Kh

11(4) PHASE I BOOK EXPLOITATION SOV/1319

Akademiya nauk SSSR. Bashkirskiy filial

Khimiya sera-organicheskikh soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh; materialy II nauchnoy sessii (Chemistry of Sulfur-Organic Compounds Contained in Petroleum Products; Papers of the 2nd Scientific Session) v. 1. Ufa, Izd. Bashkirskogo filiala AN SSSR, 1958. 228 p. 1,500 copies printed.

Ed.: Sudarkina, K.I.; Editorial Board: Ayvazov, B.R., Mashkina, A.V., Obolentsev, R.D. (Resp. Ed.), Rozhdestvenskiy, V.P., and Shanin, L,L.; Tech. Ed.: Rakhimov, R. Sh.

PURPOSE: This book is intended for petroleum specialists of scientific research establishments, educational institutions, and petroleum refining plants.

COVERAGE: This collection is the first of a multivolume publication on the results of scientific research work carried out in the Soviet Union on the chemistry and technology of sulfur- and nitrogen-organic compounds during the period 1954-1955; and according to a coordinated research project outlined in 1956 by the sponcering

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agency (Bashkir Branch of the Academy of Sciences USSR). Along with the 22 reports published herein, abridged versions of questions, answers and discussions are given wherever the editors deem it expedient.

TABLE OF CONTENTS:

Sulfur-organic compounds were separated from kerosene fractions of petroleum and physical constants (including molecular formulas, refractive indices, etc.) were determined corresponding to mono-, bi- and tricyclic sulfides. Experimental data on the fractional distillation of these compounds (which vaporized at 209-210° C) compared with known data identified them as 3-butylthiophanes [tetrahydro 3-butylthiophenes]. A.D. Biktasheva and N.S. Lyubopytova carried out the spectrographic analyses.

Ivanova, N.M., Ch. Kh. Mirkhaydarova, and Ya. I. Nel'kenbaum (Ishimbayskiy neftepererabatyvayushchiy zavod--Ishimbay Oil Refining Plant) Installation for Chromatographic Separation of Sulfur-Containing Compounds From Petroleum Distillates 29

Illustrations, schematic diagrams of apparatus and a table of data are given for the chromatographic analysis of the sulfur content of Ishimbay petroleum after pyrolysis.

Gorskaya, N.G. (Novo-Ufimskiy neftepererabatyvayushchiy zavod -- New Oil Refining Plant at Ufa) On the Problem of Constructing Larger Chromatographic Installations for Separating Concentrates of Sulfur-Organic Compounds From Petroleum Products 38

Ten tons of petroleum material with a sulfur content of 0.15 percent was processed by the chromatographic method with a separation yield of 70 percent concentration of sulfur-organic compounds amounting to 80 liters after 9 months (approximately) of continuous operation.

Skripnik, Ye. I. (Kuybyshevskiy industrial'nyy institut -- Kuybyshev Industrial Institute). Thermal Stability of Sulfur-Organic Compounds of Sulfur-bearing Petroleum From Kuybyshevskaya Oblast' 43

According to the author, Kuybyshevskaya oblast' ranks third in extracting and refining petroleum in the Soviet Union during the Sixth Five Year Plan. Separation of sulfur-organic compounds from the highly sulfurous petroleum of this region (3-4.5 percent; tar - up to 22 percent; and in asphalt-tar - up to 100 percent S) was accomplished by two methods: 1) decomposition of complex sulfur-organic compounds 2) reaction of elementary sulfur with hydrocarbons. The first process took place at 350° C and gave maximum sulfur-compound formation at 400° C and higher. The second process took place at 180 - 220° C with a high yield of sulfur compounds. Tabular results of these processes are given.

Obolentsev, R.D. and B.V. Ayvazov. Thermal Stability of Sulfur-Organic Compounds Contained in Petroleum From the Tuymazy Oilfield 51

Two types of petroleum (from Carboniferous and Devonian deposits) were heated (150 - 300° C) and graphs, tables and equations are given for the separation of petroleum compounds with respect to heating time and temperature.

Zakharochkin, L.D., and S.T. Meshcheryakov, (Gosudarstvennyy nauchnoissledovatel'skiy i proyektnyy institut neftyanogo mashinostroyeniya--State Scientific Research and Planning Institute for Petroleum Machinery Building). On the Problem of Evaluating the Corrosive Properties of Sulfurous Petroleum 65

Oil from various horizons (Devonian, Carboniferous, Upper Permian, etc.) of Ural-Volga deposits was tested for free sulfur content, yield of H_2S on distillation, and speed of corrosion of steel (the latter two factors were determined at temperatures up to 350° C). The purpose of the investigation was to establish criteria for selecting, storing, transporting and refining sulfurous petroleum from different fields. N.V. Tokareva, O.V. Kalinina and G.G. Zhukova assisted in the experimental work.

Chertkov, Ya. B., and V.N. Zrelov, Nauchno-issledovatel'skiy institut goryuche-smazochnykh materialov--Scientific Research Institute for Fuel and Lubricating Materials). Activity of Sulfur-Organic Compounds in Relationship to the Metal

69

of the Fuel System of Gas-Turbine Engines
Various fuels from the ligroin-kerosene fractions of petroleum, products of both direct distillation and thermal cracking, with an average content of sulfur (0.12 - 0.94 percent), mercaptan (0.004 - 0.060 percent and elementary sulfur (0.001 - 0.010 percent), were investigated for corrosive, resin- and residue-forming properties in relationship to copper, bronze, cadmium, zinc and chromium-steel alloys with various surface finishes (nitrided, casehardened, etc.). Illustrations of laboratory apparatus, graphs of the corrosive effects of elementary sulfur and aliphatic and aromatic mercaptans, and tables showing the content of these substances in fuels are given.

Tayts, S.Z. (Institut organicheskoy khimii AN SSSR--Instutute of Organic Chemistry, AS USSR). Synthesis of Compounds of the Aliphatic Series on the Basis of Thiophene and Its Homologs 80
The author states that tar from Povolzh'ye(Volga region) shales and sulfurous petroleum may serve as inexhaustible sources of thiophene and its homologs. Reaction diagrams are given for the synthesis of aliphatic compounds from this material, which yielded C_4-hydrocarbons, higher alcohols, glycols, acids, oxy-acids, α, β, γ- and other amino acids, amino dicarboxylic acids, tertiary amines, amino alcohols, simple esters, etc.

of the sample substance, ^{o}k; H_{fu} - heat of fusion of a pure substance at T_o, cal/mol; R- gas constant, cal/mol degree [°C], graphs and tables of freezing point, purity, and cryoscopic constants are given. Schematic drawings of laboratory set-ups are included.

by a 1 percent solution of hydrogen peroxide. The sulfuric acid formed is titrated with a 0.02N solution of sodium hydroxide in the presence of a mixed indicator (methyl red-methylene blue). Resultant data is tabulated and compared with data obtained by other methods.

Obolentsev, R.D., and A.A. Patovskaya. A Differential Polarographic Method of Determining Elementary Sulfur and Disulfides in Several Hydrocarbon Solutions 122

In contrast to the usual polarographic method (where curves of the dependency of the current "I". passing through the solution, on the applied electromotive force "E" are derived), this method investigates the dependency of the speed of current change

$\frac{dT}{dE}$ on the applied e. m. f."E." A differential polarogram of nitrate salts of lead and thallium showed two distinct maxima which corresponded to the presence of two cations in the solution.

Moguchaya, Z.N. The Determination of Sulfurous Mercaptans in Fuels 130

It is noted that a high content of sulfurous mercaptans in fuels causes the corrosion of fuel equipment. A method invented by B.G. Adams was used to determine the content of sulfurous mercaptans in mixtures of kerosene and synthetic mercaptans, and straight-run fuels. This method is based on the capacity of mercaptans to form copper mercaptides by reacting with an ammonium solution of copper sulfate. Results are tabulated.

Sulimov, A.D., M.V. Lobeyev, I.N. Kozhina, A.Ye.Al'tshuler, A.B. Gutman, and V.M. Satyugov, Hydrogen Purification of Distilled Fractions pf Eastern Petroleum Without the Introduction of Hydrogen From Without 135

A process of "automatic hydrogen purification" (avtogidroochistka) is described which consists in the use of hydrogen separated during the dehydrogenation of naphthene hydrocarbons, as proposed by F.W.B. Porter (Refs 1, 2). Desulfurization of kerosene distillates with initial sulfur content up to 0.8 percent was 90-95 percent after boiling at temperatures ranging from 140 to 300°C for 1000 hours; whereas, desulfurization of gas oil fractions of ~ 1 percent sulfur content was 60-80 percent after 200 hours at 200-350°C.

Balandin, A.A., V.V. Patrikeyev, S.J. Mitrofanov, and K. I. Orlova, Refinement and Desulfurization of Petroleum With the Simultaneous Enrichment of Ore Without Introducing Hydrogen from Without 153

A coarse concentrate of finely stamped ore is brought into contact with sulfurous gasoline vapors at 450-550° C. Mineral ores containing compounds of metals show catalytic properties. With the rupture of C-C or C-S and C-H bonds, these minerals (depending upon their properties) are reduced from sulfides and are covered with coke films. These changes may be exploited for flotation or other methods of enriching ore. Catalytic cracking takes place simultaneously. (Data are tabulated and other facets of the process are discussed).

Stankevich, B.'Ye. (Bashkirskiy nauchno-issledovatiel'skiy institut neftyanoy promyshlennosti -- translated in title). Efforts of the Bashkir Scientific Research Institute for the Petroleum Industry to Reduce Expenditures for Caustic Reagents 162

Methods are proposed for circumventing the expensive and extremely difficult regeneration of spent caustics: a) blowing through a spent caustic at ~100°C with a mixture of water vapor and compressed air b) electrolytic regeneration -- (in experimental stages), and c) substitution of trisodium phosphate (TSP) for caustic soda. Laboratory tests with an experimental set-up producing 50 liters per hour showed that distillates purified with TSP passed the copper plate tests.

Chemistry of Sulfur-Organic Compounds (Cont.)

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Chemistry of Sulfur-Organic Compounds (Cont.)

AVAILABLE: Library of congress

Card 15/15

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4-25-59

PODOL'SKAYA, I.A., uchitel'nitsa geografii; PROKA, V.Ye. (Kishinev); PODOSINKIN, V.N.; MIRKHAZOV, G.G., uchitel' geografii

Editor's mail. Geog. v shkole 25 no.4:63-65 Jl-Ag '62. (MIRA 15:8)

1. 1-ya shkola imeni Pushkina, g.Berezniki (for Podol'skaya). 2. 5-ya shkola g. Ishimbay (for Podosinkin). 3. Burayevskaya odinnadtsatiletnyaya shkola Bashkirskoy ASSR (for Mirkhazov). (Geography--Study and teaching) (School excursions)

MODESTOV, V.K.; MIRKHODZHAYEV, A.Kh.

Clinical use of the diagnostic scintillation divice of the DSU-60 type. Med.rad. no.9:71-73 '61. (MIRA 15:1)

1. Iz kafedry meditsinskoy radiologii TSentral'nogo instituta usovershenstvovaniya vrachey.
(RADIOLOGY, MEDICAL--EQUIPMENT AND SUPPLIES)

MODESTOV, V.K.; KLACHKO, V.P.; MIRKHODZHAYEV, A.Kh.

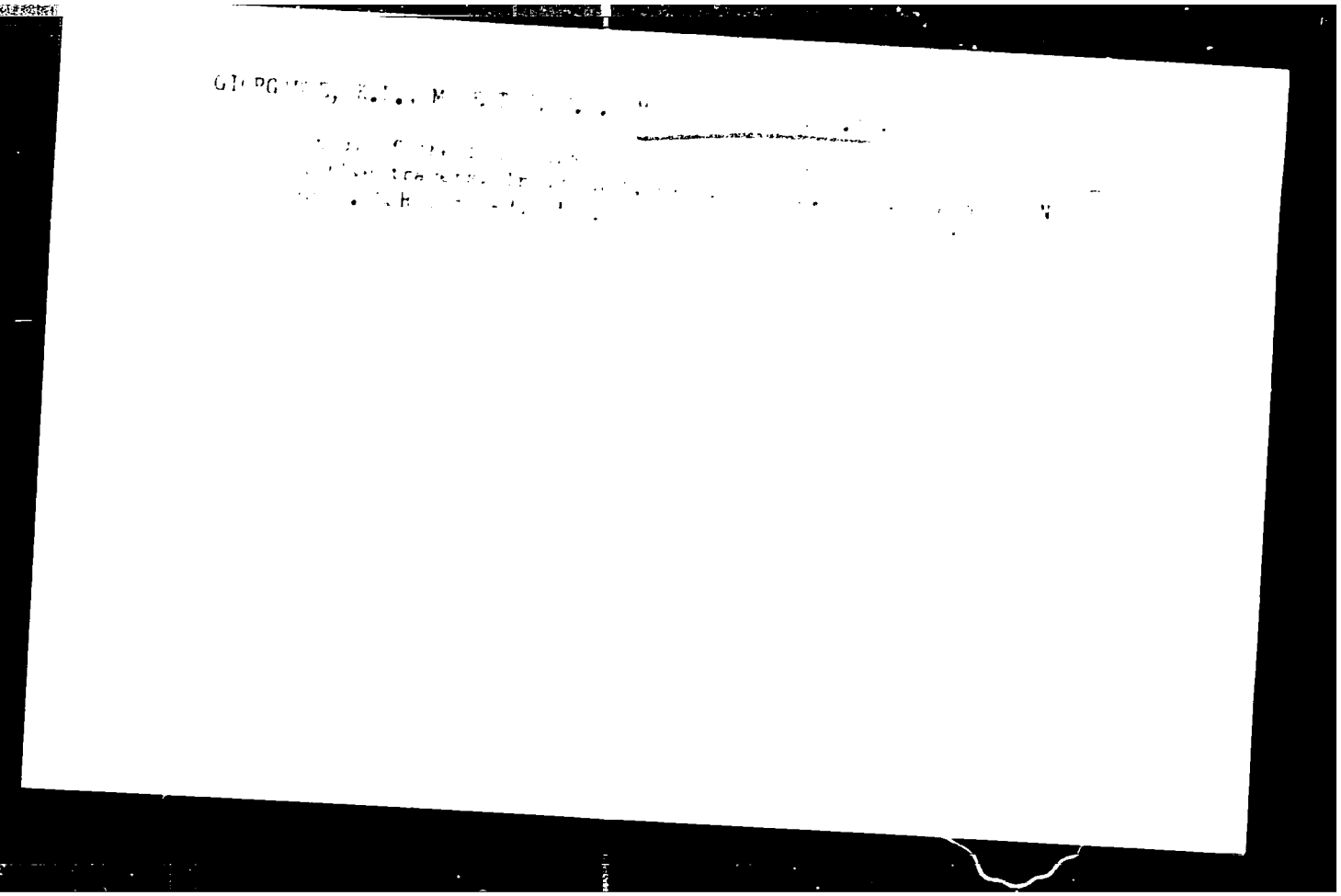
Examination of the thyroid gland by the scanning technique.
Med. rad. 7 no.11:17-22 N'62. (MIRA 16:9)

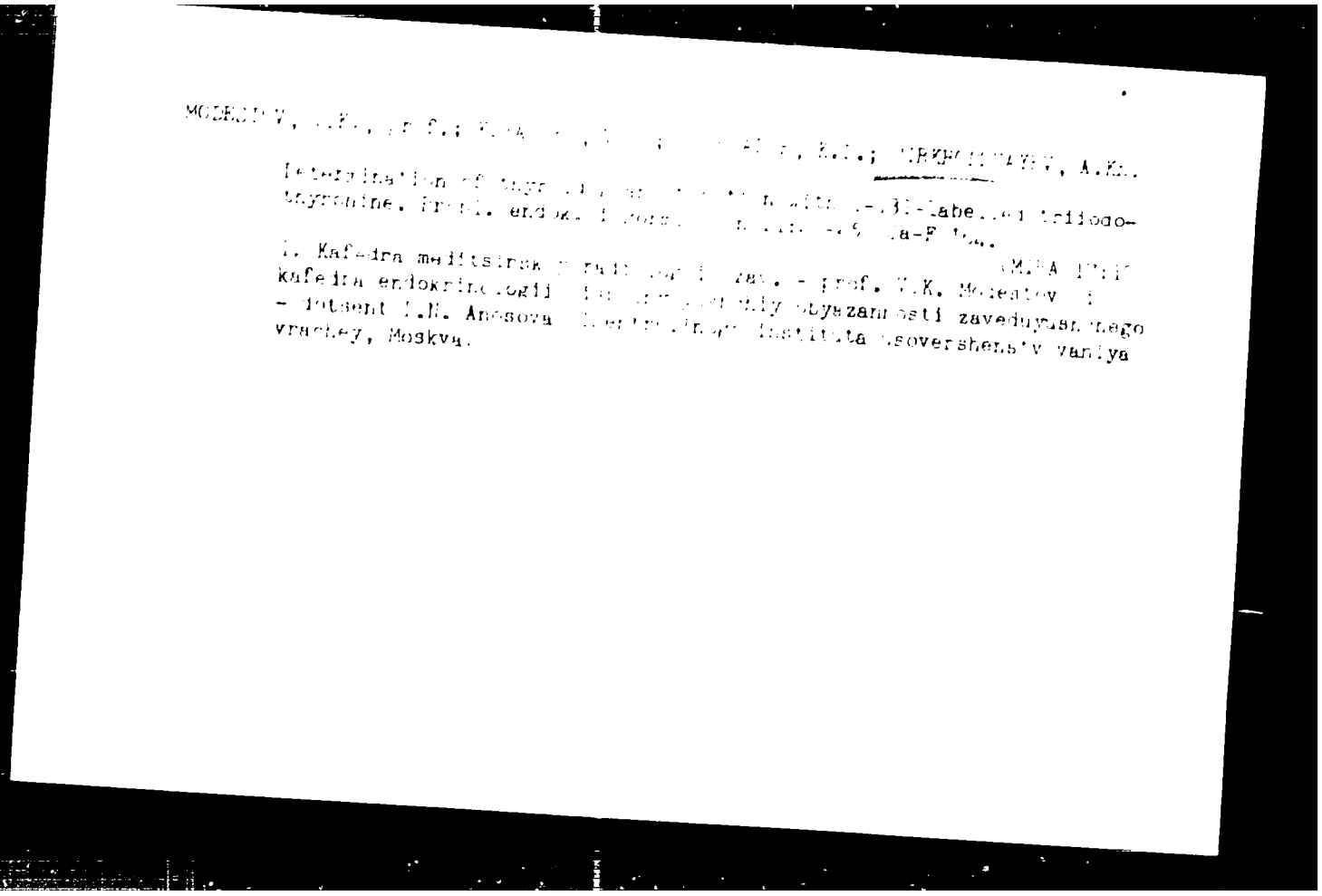
1. Iz kafedry meditsinskoy radiologii (zav. - prof. V.K. Modestov) i kafedry endokrinologii TSentral'nogo instituta usovershenstvovaniya vrachey.
(IODINE ISOTOPES) (RADIOMETRY) (THYROID GLAND--DISEASES)

PONOMAREV, L. Ye.; MIRKHODZHAYEV, A.Kh.

Scanning method and pneumothyrography in goiter surgery.
Probl. endokr. gormonoter. 9 no.4:66-72 Jl-Ag'63
(MIRA 17:1)

1. Iz III kafedry khirurgii (zav. - prof. V.I.Kazanskiy) i [illegible] kafedry [illegible] radiologii (zav. - prof. V.K. Modestov) TSentral'nogo instituta usovershenstvovaniya vrachey.





MIRKH[illegible]HAY[illegible], [illegible].Kh.; M[illegible]KH[illegible]TH[illegible]Y[illegible], [illegible].K.

[illegible]omparative evaluation of some radioiodine tests [illegible] diagnosis of thyroid disease. [illegible] [illegible]-3 [illegible]

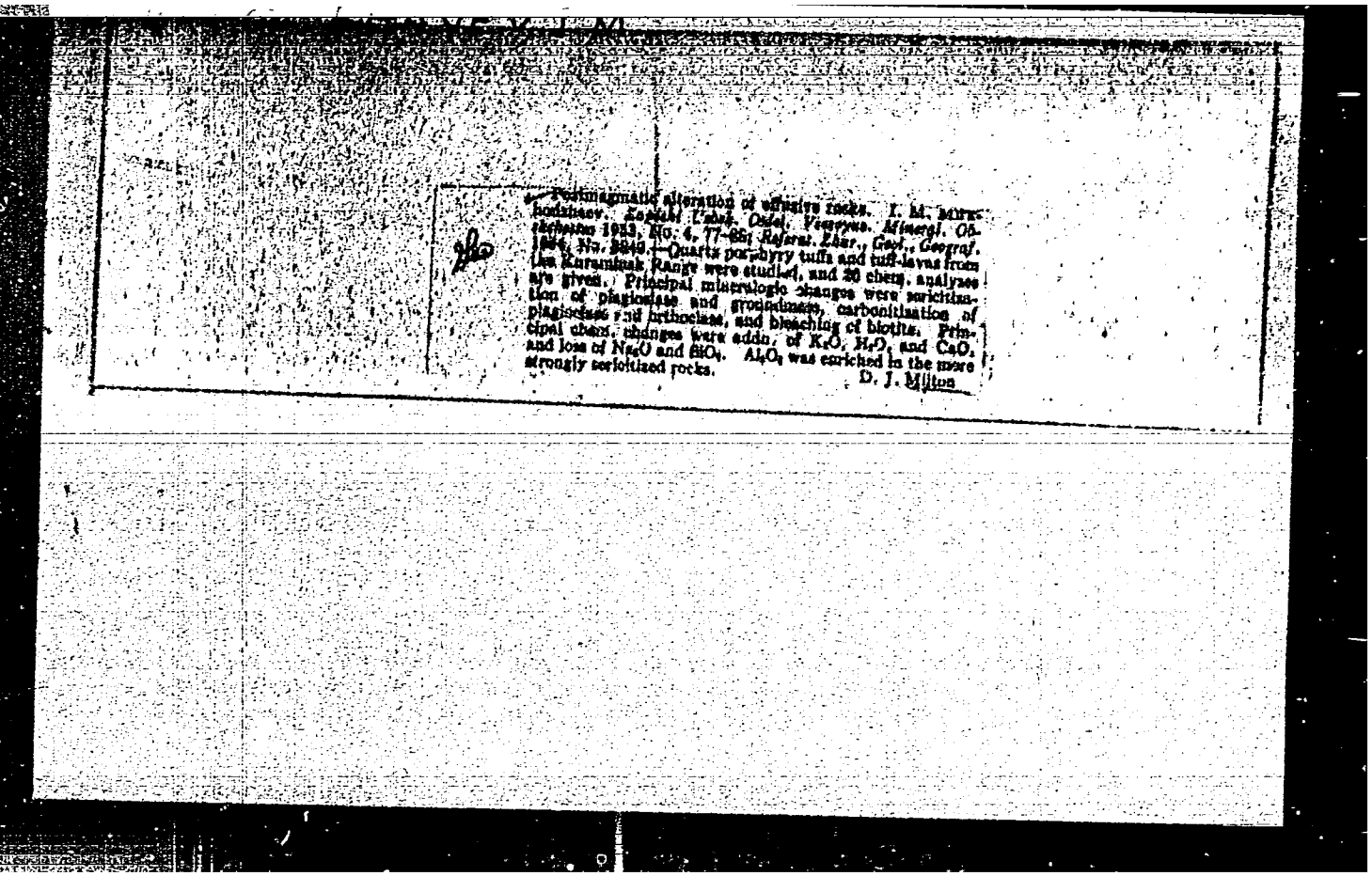
1. Nauchno-issledovatel'skiy institut [illegible] i onkologii [illegible] I.M. Abdurakhmanov [illegible] Ministerstva zdravookhraneniya Uzbekskoy SSR, Tashkent.

MODESTOV, V.K., prof.; KLYACHKO, V.R., GEORGADZE, K.[illegible], MIRKHODZHAYEV, A.Kh.

Determination of the function of the thyroid gland by the accumulation of tagged triiodothyronine in the erythrocytes. Trudy [illegible] 69 [illegible]

(MIRA 18:6)

1. Kafedra [illegible] (zav. prof. V.K. Modestov) i kafedra endokrin[illegible] ispolnyayushchiy obyazannosti zaveduyushchego [illegible] Tsentral'nogo instituta usovershenstvovaniya vrachey.



Postmagmatic alteration of effusive rocks. I. M. Mirkhodzhaev. *Zapiski Uzbek. Otdel. Vsesoyuz. Mineral. Obshchestva* 1953, No. 4, 77-85; *Referat. Zhur., Geol., Geograf.* 1954, No. 3849.—Quartz porphyry tuffs and tuff-lavas from the Kuraminsk Range were studied, and 20 chem. analyses are given. Principal mineralogic changes were sericitization of plagioclase and groundmass, carbonitization of plagioclase and orthoclase, and bleaching of biotite. Principal chem. changes were addn. of K_2O, H_2O, and CaO, and loss of Na_2O and SiO_2. Al_2O_3 was enriched in the more strongly sericitized rocks.

D. J. Milton

MIRKHODZHAYEV, I.M.

Dikes of the Lashkerak River Basin. Zap.Uz.otd.Vses.min.Ob-va no.6:51-55 '54. (MLRA 9:12)

1. Kafedra petrologii i metallogenii Srednеaziatskogo politekhnicheskogo instituta.
(Lashkerak Valley--Dikes (Geology)

MIRKHODZHAYEV, I.M.

Petrology of the Dupkurskiy intrusive in the Maryn River Basin. Zap.Uz.otd.Vses.min.ob-va no.6:61-71 '54. (MLRA 9:12)

1. Kafedra petrologii i metallogenii Sredneaziatskogo politekhnicheskogo instituta.
(Maryn Valley--Rocks, Igneous)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2, p 59 (USSR) 15-57-2-1584

AUTHOR: Mirkhodzhayev, I. M.

TITLE: Petrography of the Near-Ore Zone of Alteration in Volcanic Rocks (K petrografii zon okolorudnykh izmeneniy v effuzivnykh porodakh)

PERIODICAL: Zap. Uzbekist. otd. Vses. mineralog. o-va, 1955, Nr 8, pp 241-250

ABSTRACT: The author has studied near-ore alteration in volcanic rocks in the Tashkent region. The altered rocks extend along the strike of the ore zone and range in thickness from 5 or 10 m up to 20 m in the footwall and from 10 m to 30 m up to 70 m in the hanging wall. Two zones of alteration are found in the quartz-porphyry tuffs and tuff-lavas: a zone of weak sericitization and a zone of calcite, sericite, and pyrite

Card 1/3

development. The zones are transitional into each other. In andesite-dacites, andesites, and associated tuffs, secondary development of sericite, epidote, chlorite, clay minerals, albite, calcite, quartz, muscovite, pyrite, and biotite, has been noted. Desericitization has also been observed. The processes involved in these alterations change the chemical activity and the mechanical properties of the rocks until the time sulfides were formed by metasomatism. Sericitization affects all the rock-forming minerals and the entire ground mass of the volcanic rocks. Zones of chloritization are isolated from zones of sericitization because of the different activities of Fe and K. In the central parts of the general zone of alteration, products of sericitization are present; in the marginal parts, chloritization is dominant. Epidote has been formed in both sericitized and chloritized zones. This development is associated with the introduction of CO_2 and, in part, of CaO. Pyrite is found chiefly only in the zone of sericitization. Other sulfides also occur chiefly in sericitized zones; their development

Petrography of the Near-Ore Zone (Cont.) 15-57-2-1584

is associated with desericitization of the country rocks.
Card 3/3

S. P. B.

MUSIN, R.A.; MIRKHODZHIYEV, I.M.

Results of the conference on the geology of complex ore deposits in Central Asia, held in Frunze, 1955. Izv. AN Uz. SSR. Ser. geol. no.2:81-83 '57. (MIRA 11:9)
(Soviet Central Asia--Ore deposits)

MIRKHODZHIYEV, I.M.

Contact changes in the deposit located in the southwestern part of the Trans-Ili Ala-Tau. Izv. AN Uz. SSR. Ser. geol. no.4:11-22 '57.

(Trans-Ili Ala-Tau--Mineralogy) (MIRA 11:9)

ABDULLAYEV, Kh.M., akademik; ADELUNG, A.S.; VORONICH, V.A.; GOR'KOVOY, O.P.; KALABINA, M.G.; MALAKHOV, A.A.; MATSOKINA, T.M.; MIRKHODZHAYEV, I.M.; RADZHABOV, F.Sh.; TUMASHEVSKAYA, E.S., red.izd-va; GOR'KOVAYA, Z.P., tekhn.red.

[Principal features of magmatism and metallogeny in the Chatkal-Kurama mountain ranges] Osnovnye cherty magmatizma i metallogenii Chatkalo-Kuraminskikh gor. Pod obshchei red. Kh.M.Abdullaeva. Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1958. 288 p. (MIRA 11:7)

1. Akademiya nauk Uzbekskoy SSR (for Abdullayev)
(Chatkal Mountain Range--Mineralogy)
(Kurama Mountain Range--Mineralogy)

MIRKHODZHAYEV, I.M.

Reply to F.I. Vol'fson, I.P. Kushnarev, L.I. Lukin, L.B.Khoroshilov's remarks on the author's article "Dikes in the Lashkerek Basin." Zap. Uz. Otd. Vses. min. ob-va no.12:120-121 '58. (MIRA 11:10)
(Lashkerek Valley--Rocks, Igneous)

BATALOV, A.B.; BAYMUKHAMEDOV, Kh.N.; GAR'KOVETS, V.G.; ISAMUKHAMEDOV, I.M.; KUCHUKOVA, M.S.; MALAKHOV, A.A.; MATSOKINA, T.M.; MIRKHODZHAYEV, I.M.; MUSIN, R.A.; PETROV, N.P.; TULYAGANOV, Kh.T.; KHAMRABAYEV, I.Kh.

Winner of the Lenin Prize. Uzb.geol.zhur. no.2:94-96 '59.
(MIRA 12:8)
(Abdullaev, Khabib Mukhamedovich)

MIRKHODZHAYEV, I.M.

Using P.Niggli's "numbers" for graphic presentation of the composition of hydrothermally altered magmatic rocks. Uzb. geol.zhur. no.3:57-61 '59. (MIRA 12:12)

1. Sredneaziatskiy politekhnicheskiy institut.
(Magma)

MIRKHODZHAYEV, I.M.; KAKHKHAROV, A.

Skarn-magnetite formations in the contact zone of the Chashly granophyric stock. Uzb. geol. zhur. no.4:30-38 '59.
(MIRA 13:1)

1. Institut geologii AN UzSSR, i Sredneaziatskiy politekhnicheskiy institut (SazPi).
(Chashly region--Skarns)
(Chashly region--Magnetite)

MIRKHODZHIYEV, I.M.

Contact changes in enclosing rocks as an indication in prospecting for blind ores based on the exploratory work in the Kara-Mazar mountains. Uzb.geol.zhur. no.5:11-12 '59. (MIRA 13:5)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mineral'nogo syr'ya, Tashkent.
(Kara-Mazar Mountains--Ore deposits)
(Prospecting)

GOR'KOVOY, O.P.; MIRKHODZHIYEV, I.M.

Age relation between dikes of basic rocks and postmagmatic ores.
Uzb.geol.zhur. no.1:82-88 '60. (MIRA 13:6)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut geologii i mineral'nogo syr'ya.
(Dikes (Geology))

MIRKHODZHAYEV, I.M.

Formation of skarn fringes in the contact zone of subvolcanic bodies of andesite prophyrites (Minbulak series). Uzb.geol. zhur. no.3:85-87 '60. (MIRA 13:11)
(Geology, Structural) (Porphyrites)

MIRKHODZHAYEV, I.M.; RADZHABOV, F.Sh.

Petrochemistry of volcanic and intrusive rocks of the upper Paleozoic in the Kuruma Subzone. Uzb.geol.zhur. no.4:3-15 '61. (MIRA 14:9)

1. Sredneaziatskiy politekhnicheskiy institut.
(Kurama Range--Rocks, Igneous--Analysis)

MIRKHODZHAYEV, I.M.

Place of the complex metal mineralization in the history of the geological development of the Kurama Range. Uzb.geol.zhur. no.6: 6-12 '61. (MIRA 14:12)

1. TAShPI.

(Kurama Range--Ore deposits)

KHAMRABAYEV, I.Kh.; MATSOKINA, T.M.; MIRKHODZHAYEV, I.M.; MUSIN, R.A.

Postmagmatic manifestations in western Uzbekistan and the Chatkal-Kurama region. Zap. Uz. otd. Vses. min. ob-va no.14: 5-12 '62. (MIRA 16:7)

(Uzbekistan—Rocks, Igneous)
(Kurama Range—Rocks, Igneous)
(Chatkal Range—Rocks, Igneous)

AKRAMKHODZHAYEV, A.M.; AKHMEDZHANOV, M.A.; BABAYEV, A.G.; BABAYEV, K.L.; BATALOV, A.B.; BASHAYEV, N.P.; BAYMUKHAMEDOV, Kh.M.; BRAGIN, K.A.; BORISOV, O.M.; GABRIL'YAN, A.Sh.; GAR'KOVETS, V.G.; GOR'KOVOY, O.P.; GRIGORYANTS, S.V.; IBADULLAYEV, S.I.; ISMAILOV, M.I.; ISAMUKHAMEDOV, I.M.; KAKHKHAROV, A.; KENESARIN, N.A.; KRYLOV, M.M.; KUCHUKOVA, M.S.; LORDKIPANIDZE, L.N.; MAVLYANOV, G.A.; MOTSOKINA, T.M.; MALAKHOV, A.A.; MIRBABAYEV, M.Yu.; MIRKHODZHIYEV, I.M.; MUSIN, R.A.; NABIYEV, K.A.; PETROV, N.P.; POPOV, V.I.; PLATONOVA, N.A.; RYZHKOV, O.A.; SAYDALIYEVA, M.S.; SERGUN'KOVA, O.I.; SLYADNEV, A.F.; TULYAGANOV, Kh.T.; UKLONSKIY, A.S.; KHAMRABAYEV, I.Kh.; KHODZHIBAYEV, N.N.; CHUMAKOV, I.D.; SHAVLO, S.G.

Khabib Mukhamedovich Abdullaev; obituary. Uzb.geol.zhur. 6 no.4:7-9 '62. (MIRA 15:9)
(Abdullaev, Khabib Mukhamedovich, 1912-1962)

BATALOV, A.B.; BRAGIN, K.A.; ISMAILOV, M.I.; KASIMOV, A.K.; KAKHKHAROV, A.K.; KUCHUKOVA, M.S.; MATSOKINA, T.M.; MIRKHODZHAYEV, I.M.; MUSIN, R.A.; PETROV, N.P.; PLATONOVA, N.A.; RABAYEVA, E.Ye.; [redacted], I.V.; SMORODINOVA, D.D.; KHAMRABAYEV, I.Kh.

In memory of Mannon Khamidovich Khamidov. Uz.geol.zhur. 7 no.1:49 '63. (MIRA 16:4)

(Khamidov, Mannon Khamidovich, 1928-1962)

RADZHABOV, F.Sh.; MIRKHODZHAYEV, I.M.

Water content and other volatile components of natural melts and their importance in igneous processes. Uzb. geol. zhur. 7 no.3:19-25 '63. (MIRA 16:11)

1. Tashkentskiy politekhnicheskiy institut.

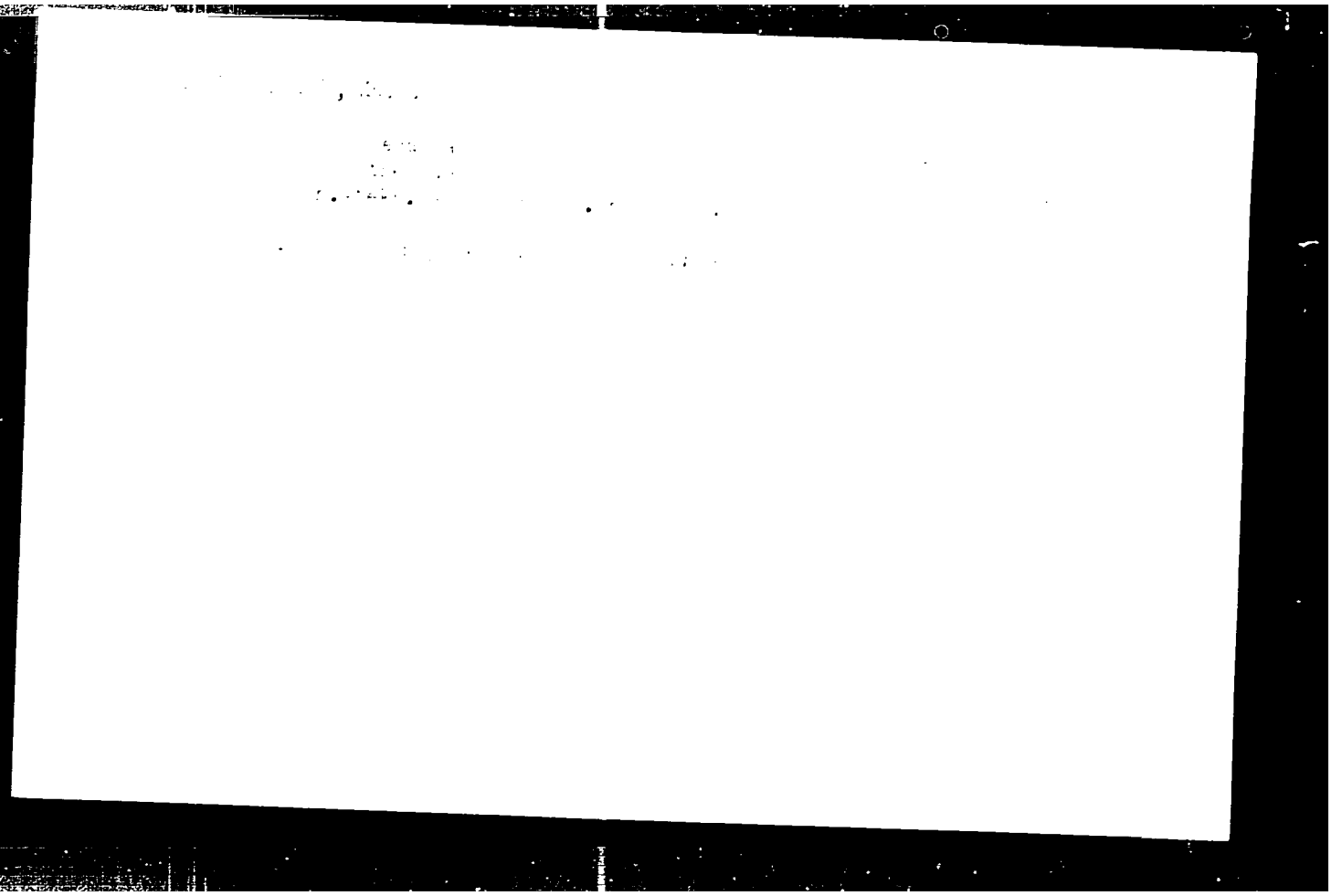
MIRKHODZHAYEV, I.M.

Alteration of the wall rocks of enclosing rocks in the Naugarzansay complex metal deposit. Trudy Sred.-Az.politekh. inst. no.12:91-108 '61.

(MIRA 18:12)

MIRKHODZHAYEV, Kh.

Evaluation of the use of natural gas in various branches of industry from the point of view of the national economy. Gaz. prom. 9 no.11:28-32 '64. (MIRA [illegible])



MIRKIN, A.I.

The PGS-30 industrial telephone network with loudspeakers for metallurgical plants. Biul.tekh.-ekon.inform. no.12:28-29 '59. (MIRA 13:4)

(Telephone)

MIRKIN, A.I.

The DGU-1 chief-operator unit with a reversible loud-speaker.
Biul.tekh.-ekon.inform. no.1:43-44 '60. (MIRA 13:5)
(Telecommunication)

FINKOVSKIY, Viktor Yuklevich, kand. tekhn. nauk, dots.; ANTIPOV, Ivan Timofeyevich, kand. tekhn. nauk; PAVLOV, Ivan Mikhaylovich, inzh.; Prinimal uchastiye MINAYEV, G.A., inzh.; MIRKIN, A.I., inzh.; retsenzent; BUROV, M.I., red.; SHURYGINA, A.I., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Handbook on horizontal and vertical control for aerial photographs by the phototheodolite surveying method in making topographic maps at a 1:25,000 scale] Posobie po planovo-vysotnoi priviazke aerosnimkov metodom fototeodolitnoi s"emki pri sozdanii topograficheskikh kart v masshtabe 1:25 000. Moskva, Gosgeoltekhizdat, 1963. 150 p. (MIRA 16:7)
(Photographic surveying)

[illegible]N, A.I.

[illegible]sing trigonomet[illegible] levelling [illegible] regions [illegible] survey [illegible] [illegible]s. Geod. [illegible] kart. no.[illegible]

[illegible]

MIRKIN, A.M., podpolkovnik meditsinskoy sluzhby; PUL'PINSKIY, G.S., podpolkovnik meditsinskoy sluzhby

Complications in Q fever. Voen.-med. zhur. no.7:81-82 Jl '61. (MIRA 15:1)

(Q FEVER)

NEKRASOV, B.M.; MIRKIN, A.M.; FAYGENBAUM, D.S.; SHCHETANOV, D.T.

Automatic line for the assembly and welding of standard troughs for the SKR-11 scraper-conveyers. Avtom.svar. 14 no.7:71-78 Jl '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo oborudovaniya.
(Conveying machinery—Welding) (Welding—Equipment and supplies)

S/1[illegible]/62/[illegible]/[illegible]/[illegible]/[illegible]
A00[illegible]/A1[illegible]

AUTHORS: Kovrov, [illegible] V., Mirkin, A. M.

TITLE: The [illegible] ([illegible]) and MП-2 (MP-2) machines for welding [illegible] materials

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, [illegible]

TEXT: In 19[illegible] the Vsesoyuznyy nauchno-issledovatel'skiy institut elektro-svarochnogo oborudovaniya (All-Union Scientific Research Institute of Electric Welding Equipment) VNIIESO has developed and manufactured a pilot model of the MShRP-1-? machine for welding polyethylene films from [illegible] to [illegible] thickness and a laboratory model of the MP-2 machine for welding [illegible] films. The MP-2 machine has been designed by Engineer A. D. Dudnikov. The MShR[illegible]-1-machine consists of a metal welding table on whose top surface the welding head is mounted. The electric assembly, pedal drive, with which the upper roll [illegible] lifted by 10 mm, and other machine units are located within the table. The heater supply voltage and, consequently, the heating temperature of the steel strip is adjustable, while a stepped regulation of the welding speed is provided for. A description of the machine operation is given. The MP-2 welder is

Card 1/2

The МШРП-1-2 (MShRP-1-2) and ...

S/191/62/000/003/004/005
B004/B101

intended for the straight seam welding of polyethylene, polyamide and other thermoplastic films up to 0.2 mm thickness by the thermal impulse method. The authors give a description of this plastic welder and present the following technical data: (the data of the MShRP-1-2 welder are mentioned in the first place, those of the MP-2 machine are put in brackets): Output in welding films of 60 + 60 μ thickness, m/min - up to 10 (-); seam width, mm - 4 (-); thickness of film being welded, mm - (up to 0.2); length of seam, mm - not limited for both models; maximum seam length per 1 cycle, mm - (300); voltage of supply network, v - 220 (220); input power, w - 600 (700); welding temperature regulation range, °C 100 - 250 (-); welding speed regulation range, m/min - 2-16 (-); regulation range of the roll compression force, kg - 0.5 - 4 (-); welding time regulation range, sec. - - (0.2 - 4); machine overall dimensions, mm: length - 775 (510), width - 500 (710), height - 1,095 (1,000); weight, kg - 70 (40). There are 2 figures.

Card 2/2

KOMARCHEV, A.I.; MIRKIN, A.M.

The MTPU-300 universal resistance spot-welding machine. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh. inform. no.9:31-32 '62. (MIRA 15:9)
(Electric welding--Equipment and supplies)

L 12997-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD/HM

ACCESSION NR: AP3002494 S/0193/63/000/005/0014/0016

AUTHOR: Mirkin, A. M.; Faygenbaum, D. S. [redacted] 57

TITLE: Resistance seam welding machine MShRO-75 for welding stainless steel sleeves 14 14 14

SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 5, 1963, 14-16

TOPIC TAGS: welding, resistance seam welding, machine, stainless steel, sleeve

ABSTRACT: In 1962 Vsesoyuzny[illegible]y nauchno-issledovatel'skiy institut elektrosvaroch-nogo oborudovaniya VNIIESO (All-Union Scientific-Research Institute of Electric Welding Equipment VNIIESO) introduced the MShRO-75 first for welding stainless steel sleeves and then for welding them to the rotors and stators of special electric motors. Prior to this machine, remodeled lathes were used to weld sleeves and a high quality welded seam depended largely on the skill of the welder. The overall size of this machine is 3530 x 1550 x 1910 mm and it weighs 1500 kg. The automatic circuit breaker (PISh-50-5 type) is 450 x 588 x 1605 mm. The welding rate is 0.3 to 1.2 m/mm. Maximum length of sleeves to be welded cannot exceed 900 mm. Thickness of stainless steel sleeves can range from 0.1 + 0.1 to 0.5 + 0.5 mm and the diameter can range from 90 to 500 mm. The electrical circuit

Card 1/2

L 12997-63
ACCESSION NR: AP3002494

provides for three types of performance: crosswise welding, lengthwise welding, and reeling. Controls are located in the main body of the machine and the current is switched on and off automatically by a synchronous ignition circuit breaker (PISh-50-5). Automatic stabilization of welding current and automatic switching off after the seam is covered simplifies and improves seam welding, increases productivity, and reduces the cost of labor. Orig. art. has: 1 table and 1 figure.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 12Jul63 ENCL: 00

SUB CODE: ML NO REF SOV: 000 OTHER: 000

Card 2/2

L 41134-66 EWT(d)/EWT(m)/EWP(k)/EWP(h)/EWP(l ...

ACC NR: AP6025608 SOURCE CODE: UR/0413/66/000/013/0049/0050

JD/HM/GM

INVENTOR: Mirkin, A. M.; Matyushin, Ye. G.

ORG: none

TITLE: Attachment for multispot resistance welding. Class 21, No. 183299

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 49-50

TOPIC TAGS: welding, spot welding, multispot welding, honeycomb structure

ABSTRACT: This Author Certificate introduces an attachment for multispot resistance welding primarily of screens or honeycomb structures. The attachment (see Fig. 1) consists of two rows of electrodes, with the upper row mounted in vertical holders and the bottom row (1) in horizontal holders, and a mechanism which holds and moves the structure during welding. The bottom electrode row is mounted on common base (2) which can be withdrawn from its working position. To simplify the design, the structure-holding mechanism is equipped with clamps 5

Card 1/2 UDC: 621.791.763.1.037

L 41134-66
ACC NR: AP6025608

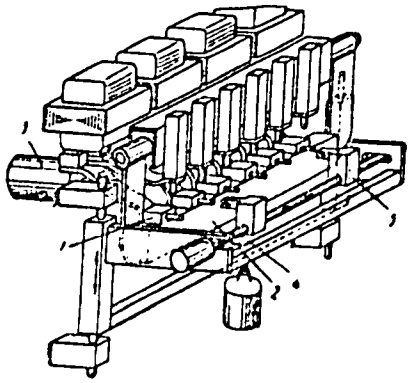


Fig. 1. Attachment for multispot resistance welding.

1 — Horizontal holders of bottom electrodes; 2 — base; 3 — pneumatic cylinder; 4 — rod; 5 — clamps.

mounted on rod 4 and a drive for moving the workpiece for a preset distance equal to the multiple electrode-pitch. Orig. art. has: 1 figure. [DV]

SUB CODE: 13/ SUBM DATE: 06Jul62/
ATD PRESS: 5054

Card 2/2 hs

KORYAGIN, A.P.; LABAS, Yu.A.; MIRKIN, A.S.

Use of Hall's e.m.f. transducer in a physiological experiment. Biul.eksp.biol.i med. 54 no.11:114-118 N '62. (MIRA 15:12)

1. Iz laboratorii fiziologii krovoobrashcheniya (zav. - prof. G.P.Konradi), laboratorii ekologicheskoy fiziologii (zav. - prof. A.D.Slonim) i laboratorii obshchey fiziologii (zav. - akademik V.N.Chernigovskiy) Instituta fiziologii imeni Pavlova (dir. - akademik V.N.Chernigovskiy) AN SSSR. Predstavlena akademikom V.N.Chernigovskim.

(PHYSIOLOGICAL APPARATUS)

MIRKIN, A.S.

Some physical properties of the structure of individual mechanoreceptors, the Pacinian bodies. Dokl. AN SSSR 163 no.1:258-261 Jl '65. (MIRA 18:7)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Submitted February 26, 1965.

L 06582-67 EWT(d) IJP(c)

ACC NR: AP6011283 SOURCE CODE: UR/0378/66/000/001/0007/0010

AUTHOR: Mirkin, B. G.

ORG: none

TITLE: On dual automata

SOURCE: Kibernetika, no. 1, 1966, 7-10

TOPIC TAGS: automaton, automatic control theory, set theory

ABSTRACT: For each finite automaton A having m states there is a corresponding nondeterminate automaton A^*, where the events P^* of automaton A^* are the inverse of the events P of automaton A. By determinization, one may obtain a minimal automaton to produce an event P^*, the number of states of which does not exceed 2^m. This result is proved, along with the existence criterion that for every natural number $m \geq 3$ there exists an automaton A_m which satisfies this condition. The proof is carried out in terms of left and right division of events into words. The author thanks M. A. Spivak for his interest in the work. Orig. art. has: 41 formulas, 2 figures.

SUB CODE: 12,09/ SUBM DATE: 28May65/ ORIG REF: 005/ OTH REF: 001

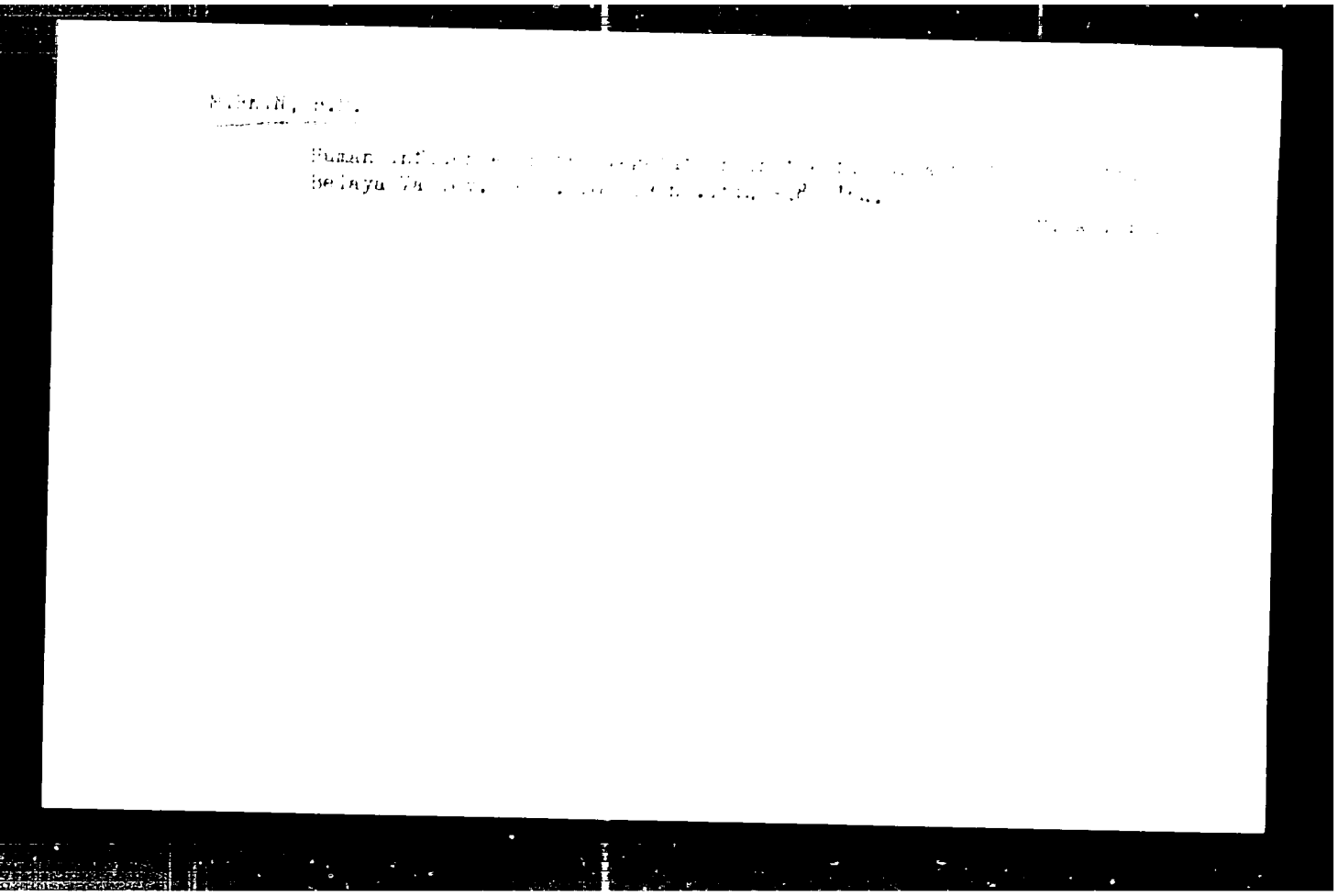
UDC: 519.95

Card 1/1

MIRKIN, B.M.

Some interesting plant communities of the sand-shingle beaches in the middle course of the Belaya River. Bot. zhur. 47 no.6: 871-873 Je '62. (MIRA 15:7)

1. Leningradskiy gosudarstvennyy universitet.
(Belaya Valley (Bashkiria)--Plant communities)



IPATOV, V.S.; MIRKIN, B.M.

"Floodland meadows of the Yenisey" by L.I.Nomokonov. Reviewed by V.S.Ipatov, B.M.Mirkin. Bot. zhur. 47 no.9:1388-1390 S '62. (MIRA 16:5)

1. Leningradskiy gosudarstvennyy universitet.
(Yenisey Valley--Pastures and meadows)
(Nomokonov, L.I.)